

BRUHATH BANGALORE MAHANAGARA PALIKE

Yalahanka ELECTRICAL DIVISION

PRE MEASUREMENT BOOK**Name of work :-**Annual Maintenance and repairs of street lights in ward no 06 Package Y -06 of Yelahanka Zone.**Name of Contractor of nature of Agency:-**Sri Pradeep kumar S.N. Pro of M/s Ganga Enterprises**Job Code No:-**006-22-000007**Ref no and Date of commencement of work:-** EE/Ele/YZ//WO/000006 /22-23 Date:01/04/2022**Aggrement No & date:-****Measurement Book No:****Page No:****Bill NO :-** 7th RA Bill**Bill Period :** 01-02-2023 to 28-02-2023 (for 1 months)

Sl. No.		Unit	Period in Months	Present Measurements		
				Qty	Tender Full Rate	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems.	Each	1	79.00	34.16	2698.64
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems.	Each	1	45.00	54.16	2437.20
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems.	Each	1	4805.00	81.00	389205.00
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems.	Each	1	120.00	91.66	10999.20

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26.04.2023
Assistant Executive Engineer (Ele)
BBMP, Bangalore

5	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems.	Each	1	32.00	66.66	2133.12
6	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems.	Each	1	727.00	91.66	66636.82
7	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems.	Each	1	19.00	108.33	2058.27
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/ fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system	Each	1	0.00	125.00	0.00
9	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/ fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system	Each	1	0.00	150.00	0.00

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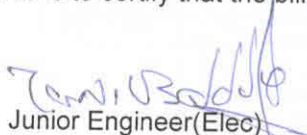
10	Painting of existing Street lighting pole after scraping the old paint and painted with suitable colour enamel/silver paint including coping/footing of the pole) Up to 5 Mtrs Street light pole	Nos	-	45.00	415.00	18675.00
Bhuvaneshwari Nagara Park		45				
11	Painting of existing Street lighting pole after scraping the old paint and painted with suitable colour enamel/silver paint including coping/footing of the pole) 8 Mtr and above Street light pole	Nos	-	326.00	650.00	211900.00
	Address	Nos				
	Heggadenagara to Police Quateres	15				
	Heggadenagara Bridge	63				
	15th Cross Heggadenagara to Shabarinagara road	38				
	Heggadenagara Bridge to MCHS Layout Double Road	26				
	Heggadenagara to Book Factory Road	30				
	Shobha City Apartment	17				
	Book Factory Railway Gate to Thanisandra Circle	46				
	Thanisandra Circle to Nagavara	49				
	Carle	18				
	Rachenahalli Lake	17				
	Heggadenagara Traffic Police Station	7				
	Total	326				
12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) 100Amps 25kA.	Each	-	0.00	3850.00	0.00
13	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.260mmx210mmx116mm	Each	-	0.00	1850.00	0.00
14	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	Mtr	-	0.00	140.00	0.00
15	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. On wall /Structure 6 sqmm to 16 sqmm	Mtr	-	0.00	20.00	0.00

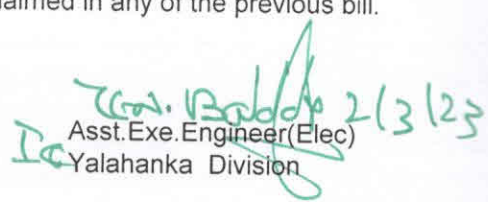

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16	Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps	Each	-	0.00	6200.00	0.00
17	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each	-	0.00	2859.00	0.00
18	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP	Each		0.00	623	0.00
19	1.1 kV, LT Aerial Bunched Cable, confirming to IS-14255: 1995 XLPE insulation Parameter shall be as below. 1. Hot Set Test: a) Elongation under Load: 50% (Max) b) Permanent Elongation After Cooling: 3% (Max) 2. Thermal Aging in oven: a) Tensile Strength: 16 N/mm ² (Min) b) Elongation: 375% (Min) 3. Water Absorption Test a) Water absorbed: 0.5 mg/cm ² (Max) 4. Carbon Black Content shall be ranging from 2% to 3% 3x25 + 1x25 + 1x16 Sqmm Street light (Insulated Messenger cum Neutral)	KM		0.00	125000.00	0.00
20	Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70) (Insulated Messenger Neutral) + (1x25) (Street Light Control)	KM		0.00	10500.00	0.00
	TOTAL Rs					706743.25
	Add GST 12 % on item no 10 to 20					27669.00
	TOTAL Rs					734412.25
	Fine imposed for non burning of street lights For the period of 01/02/2023 to 28/02/2023					5300.00
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material					9523.37
	GRAND TOTAL					719588.88

CERTIFICATE

1. This is to certify that the work done is satisfactory.
2. This is to certify that the bill amount claimed in this bill does not claimed in any of the previous bill.


 Junior Engineer (Elec)
 Yalahanka Division


 Asst. Exe. Engineer (Elec)
 Yalahanka Division